**ENERGY AND AUTOMATION** 



Product designation			Rotary cam
			switches
Product type designation			GX20
General characteristics			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	OLICOA	kV	6
Conventional free air thermal current Ith		i v	
	IEC/EN	Α	20
	UL/CSA	Α	15
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current lcw	4		050
Consult settinite.	1s	A	250 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 MA/ V
AC1/AC21A			
NO II/NOZ IA		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	/		
	220/230V	kW	3.7
	380/440V	kW	5.5
Single-phase AC-3	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Three-phase AC23A			
·	220/230V	kW	4

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# electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			_
	5 1	110V	kW	0.75
		220/230V	kW	2.2
		380/440V	kW	3.5
Rated operational cur	rent in DC			
rated operational cal	DC21A			
	202171	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC22A (nales in agrica)	440 V		0.25
	DC23A (poles in series)	241/	۸	20 (4)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Mechanical features Terminals screw				M3
Terminals screw	terminals max		Nm	M3 0.8
Terminals screw Tightening torque for	terminals max		Nm	M3 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable	min		0.8
Terminals screw Tightening torque for		min Mov	AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for		Max	AWG AWG	0.8 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	0.8 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	0.8 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG	0.8 20 12 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 12 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	0.8 20 12 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.8  20 12  20 12  0.5 2.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 12  20 12  0.5 2.5  0.5
Terminals screw Tightening torque for the Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 12  20 12  0.5 2.5  0.5 2.5
Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 12  20 12  0.5 2.5  0.5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 12  20 12  0.5 2.5  0.5 2.5
Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8  20 12  20 12  0.5 2.5  0.5 2.5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  1X10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5 5

electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

# Ambient conditions

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#### Temperature

Operating temperature

min	°C	-25
max	°C	+55

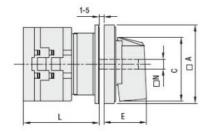
Storage temperature

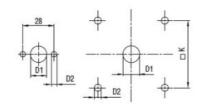
min °C -40 max °C +70

## Resistance & Protection

Frontal IP degree IP65
Terminals IP degree IP20

#### Dimensions

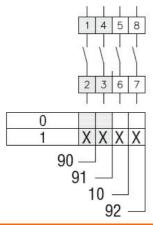




Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements											
Selles	□A	C	ØD1	ØD2	E	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
GX16	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX20	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX32	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
GX40	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

# Wiring diagrams



## Certifications and compliance

#### Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

UL60947-4-1

#### Certificates

cULus

EAC

#### ETIM classification





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electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

EC001105 - Offload switch

ETIM 8.0